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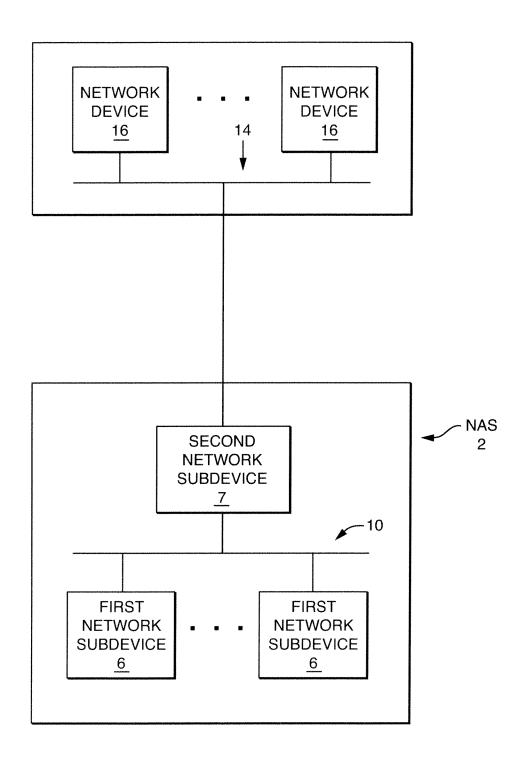


FIG. 1

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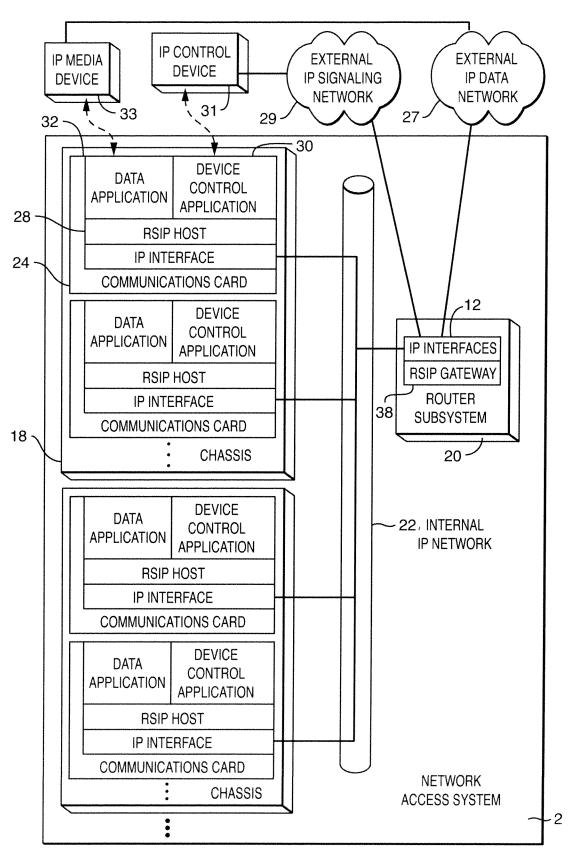


FIG. 2

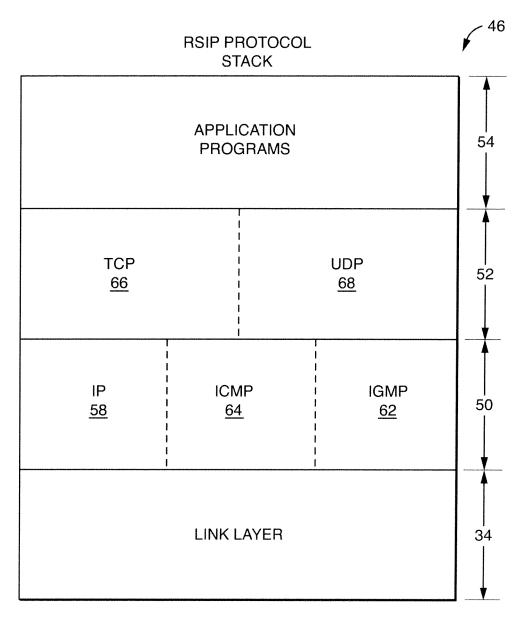


FIG. 3

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# REALM SPECIFIC INTERNET PROTOCOL (RSIP) MESSAGES REGISTER REQUEST MESAGE ~ 72 REGISTER RESPONSE MESSAGE - 74 ASSIGN REQUEST MESSAGE - 76 ASSIGN RESPONSE MESSAGE - 78

FIG. 4

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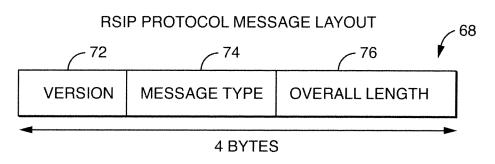


FIG. 5

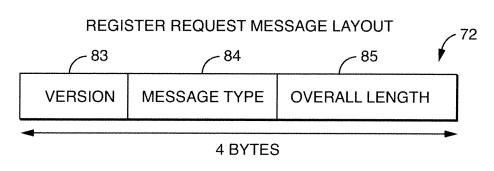


FIG. 6

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#### REGISTER RESPONSE MESSAGE LAYOUT

VERSION	MESSAGE TYPE		ERALL NGTH	
CODE	LENG	ТН	VALUE	CLIENT ID
CLIENT	ID VALUE (CONT	CODE	FLOW	
LENG	iTH	REMOTE	POLICY	
CODE	LENGTH	VALUE		RSIP METHOD
CODE	LENGTH	VA	LUE	TUNNEL TYPE

4 BYTES

FIG. 7

#### ASSIGN REQUEST MESSAGE LAYOUT

VERSION	TYPE LE		LENGTH		
CODE	LENGTH		VALUE	CLIENT ID	
CLIENT ID VALUE (CONT'D)			CODE		
LENGTH			TYPE		LOCAL
VA	ADDRESS				
ME					
	•				

FIG. 8

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## RSA-IP ASSIGN REQUEST MESSAGE LAYOUT

		T	1			
LENG	ATH	TYPE	REMOTE			
/ARIABLI	UE	ADDRESS				
	LENGTH	NUMBER	REMOTE			
VARIABLE NUMBER OF 2 BYTE PORT FIELDS						
į	_ENGTH	VALUE	[LEASE TIME]			
ME VALU	E CONT'D	CODE	[TUNNEL			
LENGTH			TYPE]			
	/ARIABLI NUMBE I ME VALU	LENGTH  NUMBER OF 2 BYTE PO  LENGTH  ME VALUE CONT'D	/ARIABLE LENGTH VALUE  LENGTH NUMBER  NUMBER OF 2 BYTE PORT FIELDS  LENGTH VALUE  ME VALUE CONT'D CODE			

4 BYTES

# FIG. 9

#### RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

CODE	LENG	STH	NUMBER	LOCAL
VARIABLE	NUMBE	ORT FIELDS	PORTS	
CODE		_ENGTH	TYPE	REMOTE
,	VARIABL	E LENGTH VAL	UE	ADDRESS
CODE	l	_ENGTH	NUMBER	REMOTE
VARIABLE	PORTS			
CODE	l	_ENGTH	VALUE	[LEASE TIME]
LEASE TIM	E VALUE	CONT'D	CODE	[TUNNEL
LENGTH VALUE				TYPE]

FIG. 10

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#### ASSIGN RESPONSE MESSAGE LAYOUT

VERSION	TYPE		LENGTH				
CODE	LENGTH			VALUE		CLIENT ID	
CLIENT ID VALUE (CONT'D)			))	CODE			
LENGTH			VALUE		BIND ID		
BIND ID VALUE CONT'D			CODE LENGTH		LOCAL		
LENGTH CON	T'D	TYPE	VARIABLE LENGTH VA			.UE	ADDRESS
METHOD DEPENDENT FIELDS							

4 BYTES

# FIG. 11

#### RSA-IP ASSIGN RESPONSE MESSAGE LAYOUT

CODE	LE	NGTH	TYPE	REMOTE
\	JE	ADDRESS		
CODE	LE	NGTH	NUMBER	REMOTE
VARIABLE	PORTS			
CODE	LE	NGTH	VALUE	LEASE TIME
LEASE TI	ME VALUI	E CONT'D	CODE	TUNNEL
LENGTH VALUE				TYPE

FIG. 12

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## RSAP-IP ASSIGN REQUEST MESSAGE LAYOUT

	_			
CODE	LE	NGTH	NUMBER	LOCAL
VARIABLE	PORTS			
CODE	LE	NGTH	TYPE	REMOTE
	UE	ADDRESS		
CODE	LE	NGTH	NUMBER	REMOTE
VARIABLE	PORTS			
CODE	LE	NGTH	VALUE	LEASE TIME
LEASE TI	ME VALUI	E CONT'D	CODE	TUNNEL
LENGTH		VALUE		TYPE
·		<u></u>		

FIG. 13

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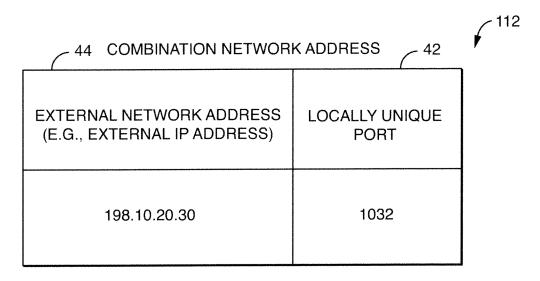
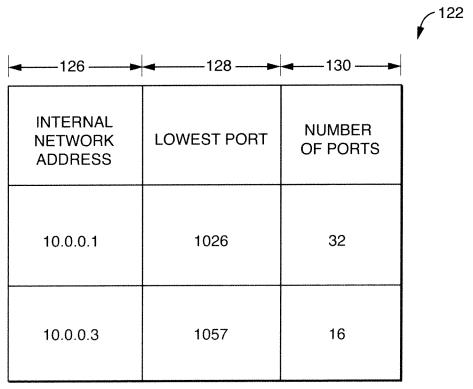


FIG. 14



PORT-TO-INTERNAL-NETWORK ADDRESS TABLE

FIG. 15

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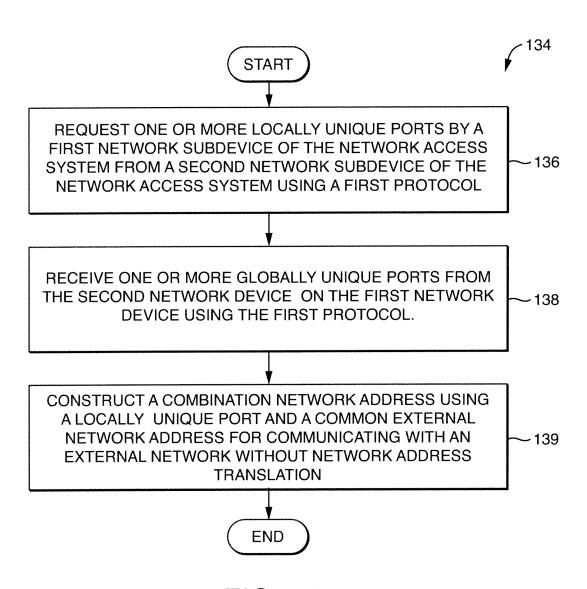


FIG. 16

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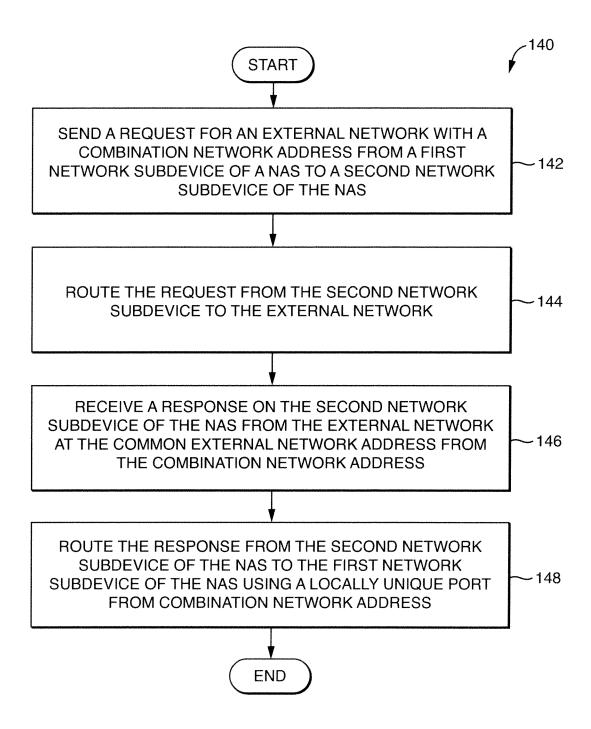


FIG. 17